

Date: _____ **Names of surveyors:** _____ 1 of 2

DAM STRUCTURE & HISTORIC RESOURCES

Department of Fish and Game
251 Causeway Street, Suite 400, Boston, MA 02114: 617-626- 1526

Massachusetts Volunteer Dam Assessment Form

Date:

Names of surveyors:

2 of 2

Condition of Impoundment

Are there any odors associated with the sediments or water? *UN / N / Y*, Explain _____

Are there any signs of oil or other contaminants? *UN / N / Y*, Explain _____

Is there excessive weed or algae growth in the impoundment? *UN / N / Y*, Explain _____

Is there other evidence of eutrophication? *UN / N / Y*, Explain _____

Are any invasive species present? *UN / N / Y*, Explain _____

Is sediment visible in the impoundment (islands, bars)? _____

Are the banks of the impoundment eroding due to fluctuations in water level? _____

Is the impoundment: _____ Open water _____ Wetlands/islands/channel

What types of recreational activities occur in the impoundment? _____

Is the area popular for hunting or fishing? *UN / N / Y* species _____

Is there a fishladder at the dam? *UN / N / Y*

Is it operational? UN / N / Y

Fish and wildlife observations (or evidence of): _____

Downstream Conditions

Are any of the following present directly downstream of the dam? (within sight)

___ Retaining walls

___ Roads

___ Rip-rap

___ Bridges

___ Erosion/scour

___ Buildings

___ Fill

___ Culverts

___ Wetlands

___ Pipes crossing stream

___ Animal activity (beaver dams)

___ Other _____

___ Other dams or impoundments

___ Is there flow alteration due to the structure or operation of the dam? Describe: _____

Definitions

Drawdown: When the level of water in the impoundment is purposely lowered for management purposes.

Breached Structure: When the dam has been compromised to the extent that water passes freely through the structure or when part or most of the dam structure has been removed.

Spillway: Area of dam with cascading water.

Embankment: Earthen area holding back water and connecting spillway to stream banks.

Structural Height: Height from stream channel below dam to highest point on dam structure.

Hydraulic Height: Height from stream channel to the top of the spillway.

Low level outlet: Area of the dam that can be opened if the impoundment lowers beyond the spillway.

Flash Boards: Often used in the low level outlet or spillway to regulate the level of impoundment and flow.

Raceway/Canal: Bypass through a structure, such as a mill, with flowing water.

Emergency Spillway: Secondary spillway at a higher elevation that is used during high flow.